

Amendments to the Specification

Page 1, line 6, replace the Title with the following amended Title:

Dielectric barrier discharge lamp with particular phosphor mixture ~~and use of this lamp for viewing x-rays~~

Page 8, line 27, replace the paragraph with the following amended paragraph:

The flat lamp 1 comprises a flat discharge vessel 17 with a rectangular basic area and a set of electrodes arranged inside the discharge vessel 17. The discharge vessel 17 for its part comprises a back plate 2, a front plate 3 and a frame 4, in each case made from glass. Back plate 2 and front plate 3 are in each case joined to the frame 4 in a gastight manner by means of soldering glass 5, in such a manner that the interior of the discharge vessel 17 is of cuboidal form. The interior of the discharge vessel 17 is filled with xenon with a pressure of approx. 130 mbar. The back plate 2 is larger than the front plate 3, such that the discharge vessel 17 has a projecting edge all the way around. Two supply conductors 6, 7, which resemble conductor tracks, for the set of electrodes are applied to this edge.

Page 9, line 5, replace the paragraph with the following amended paragraph:

The inner surface of the front plate 3 is coated with a three-band phosphor mixture 20 ~~(not visible in the drawing)~~, which converts the UV/VUV radiation generated by the discharge into visible light. This phosphor mixture comprises the red phosphor component (Y, Gd)<sub>3</sub>BO<sub>3</sub>:Eu (NP 360-03 produced by Nichia), the green phosphor component La-PO<sub>4</sub>:(Ce, Tb) (2213 CCSX produced by OSRAM Sylvania Inc.) and the blue phosphor component BaMgAl<sub>10</sub>O<sub>17</sub>:Eu (NP 107-44 produced by Nichia) in the associated proportions by weight of 8%, 62% and 30%. Consequently, the lamp has a color temperature of approx. 50,000 K and a color locus having the coordinates x = 0.236 and y = 0.240 in accordance with the CIE color standards table.